

AMENDMENT UNDER 37 C.F.R. § 1.116  
U.S. Appln. No. 09/129,883  
ATTORNEY DOCKET NO. Q46699

said solid core having a distortion of 2.8 to 6.5 mm under an applied load of 100 kg, and  
a product of the Shore D hardness of said inner cover layer multiplied by the Shore D  
hardness of said outer cover layer and a proportion  $V_R$  (%) of the total of the volumes of dimple  
spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a  
phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any  
one of the following combinations (1) to (5):

(1) the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less  
than 2,000

$V_R$ : 0.8 to 0.93%

D | (2) the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less  
than 2,500

$V_R$ : 0.75 to 1.05%

(3) the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less  
than 3,000

$V_R$ : .7 to 1%

(4) the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less  
than 3,500

$V_R$ : 0.65 to 0.95%

(5) the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

$V_R$ : 0.6 to 0.9%,

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and said dimples include at least three types of dimples which are different in at least one of, diameter, depth, and value  $V_0$  which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom.

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16. (*Amended*) A multi-piece solid golf ball comprising; a solid core and a cover consisting of inner and outer layers surrounding the core, the outer cover layer having a surface formed with a plurality of dimples,

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said solid core having a distortion of 2.8 to 3.0 mm under an applied load of 100 kg, and a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion  $V_R$  (%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (5):

(1) the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

$V_R$ : 0.8 to 1.1%


(2) the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

$V_R$ : 0.75 to 1.05%

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(3) the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less than 3,000

$V_R$ : .7 to 1%

 (4) the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less than 3,500

$V_R$ : 0.65 to 0.95%

(5) the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

$V_R$ : 0.6 to 0.9%,

and said dimples include at least three types of dimples which are different in at least one of, diameter, depth, and value  $V_0$  which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom.

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